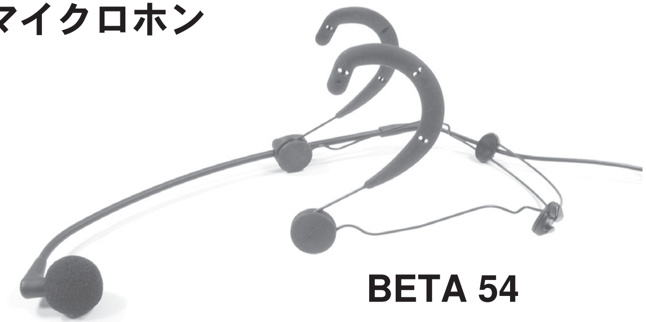
SHURE®
LEGENDARY PERFORMANCE™

Wired Micophones
Models BETA 53 ™ and BETA 54 ™

Headworn Vocal Microphones
Microphones serre-tête pour la voix
Kopfbügel-Gesangsmikrofone
Micrófonos vocales con diadema
Microfoni con supporto attorno alla testa per voce
Головные вокальные микрофоны
ボーカル用ヘッドウォーンマイクロホン
헤드원 보컬 마이크
多个头戴式人声话筒



BETA 53



BETA 54

27A14144 (Rev. 2)
Printed in U.S.A.

Introduction

Shure models BETA 53 and BETA 54 are subminiature, electret condenser headworn microphones. They provide uncompromised sound quality and reliability with minimal visibility in applications such as broadcast, theater, and touring. Despite their small size, each microphone's condenser element delivers full, clear, and natural reproduction of speech and vocals. The microphone features a durable, low-profile wire frame headband which is fully adjustable for stability and comfort. A plastic carrying case protects the microphone and its accessories.

BETA 53 Features

- Omnidirectional polar pattern for minimal handling noise and flexible microphone placement
- Extended, flat frequency response provides accurate speech and vocal reproduction
- Two interchangeable protective caps for response shaping
- Foam windscreens minimize breath noise and “popping”
- Available with an in-line preamp or with a TA4F connector for wireless applications
- Choice of black or tan finish to suit your performance environment

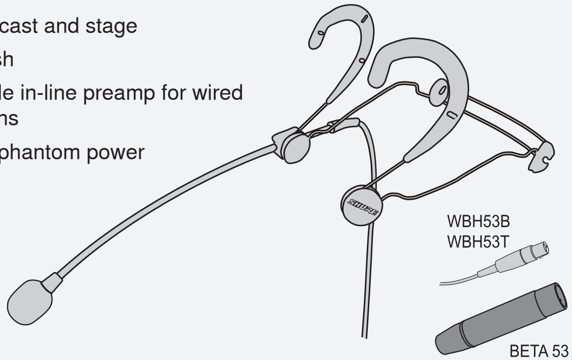
BETA 54 Features

- Supercardioid polar pattern provides maximum gain-before-feedback and ambient rejection
- Extended frequency response tailored for vocal performances
- Able to handle extremely high sound pressure levels (SPL)
- Snap-fit foam windscreens stay in place during intensive movement
- Available with an in-line preamp or with a TA4F connector for wireless applications
- Choice of black or tan finish to suit your performance environment

Available Models

Beta 53 Models

- Omnidirectional
- For broadcast and stage
- Black finish
- Detachable in-line preamp for wired applications
- Requires phantom power



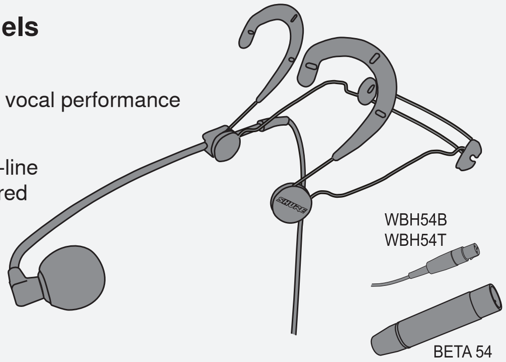
Wireless Models
These models are for use with Shure wireless microphone systems. TA4F connector attaches to wireless bodypacks (in-line preamp not included).

- WBH53B (black)
- WBH53T (tan)

Accessories
All models include: microphone and headband (1 each), foam windscreens (2), standard protective cap (2), filtered protective cap (2), swiveling lapel clip (1), boom holder (2), logo pad (1) and plastic carrying case (1).

Beta 54 Models

- Supercardioid
- For stage and vocal performance
- Black finish
- Detachable in-line preamp for wired applications
- Requires phantom power

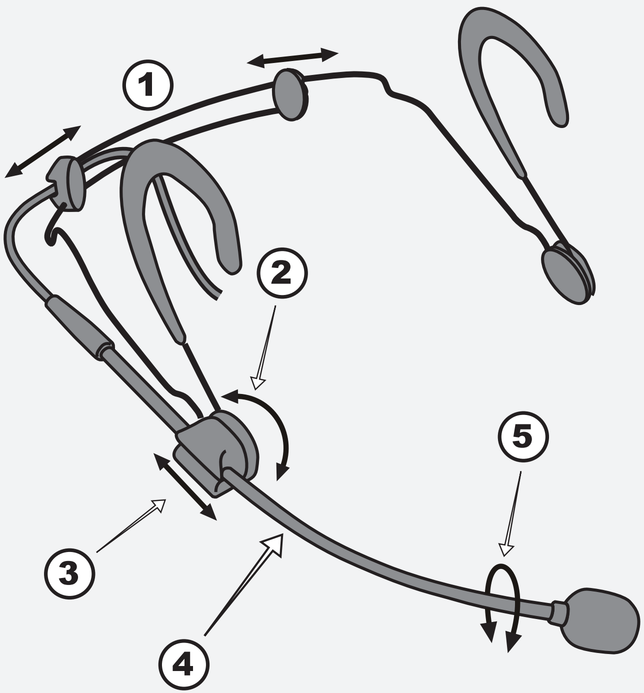


Wireless Models
These models are for use with Shure wireless microphone systems. TA4F connector attaches to wireless bodypacks (in-line preamp not included).

- WBH54B (black)
- WBH54T (tan)

Accessories
All models include: microphone and headband (1 each), snap-fit foam windscreens (2), standard protective cap (2), swiveling lapel clip (1), boom holder (2), logo pad (1) and plastic carrying case (1).

Adjusting the Headband and Microphone



①	Adjust headband width
②	Adjust boom height
③	Adjust boom length
④	**Do not attempt to bend the microphone boom!**
⑤	“Roll” the boom for subtle adjustments of microphone position

Using the Windscreens and Protective Caps

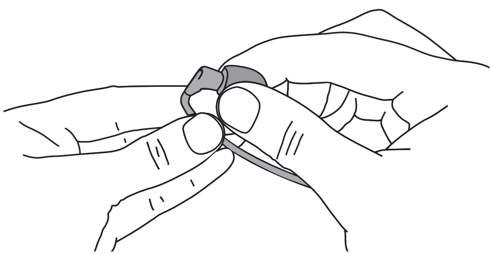
Care and Maintenance

- Foam windscreens may be cleaned with soap and water.
- For the best sound quality, replace damaged or clogged protective caps and windscreens.

Windscreen

Grip the internal frame of the windscreen firmly when connecting or removing. **Do not pull on the foam itself.**

- To connect, push the windscreen until it snaps into place over the cartridge.
- To remove, pull the windscreen directly off of the cartridge.



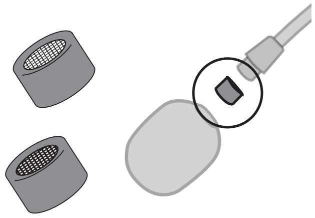
Protective Caps

Standard protective cap:

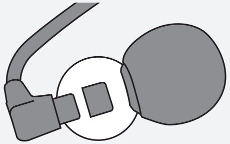
- Gold mesh
- No attenuation

Filtered protective cap:

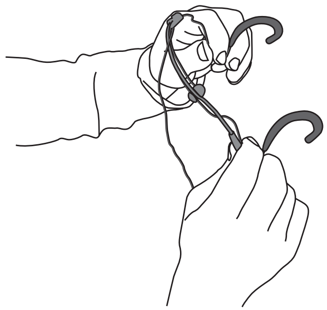
- Silver mesh
- Attenuates high frequencies



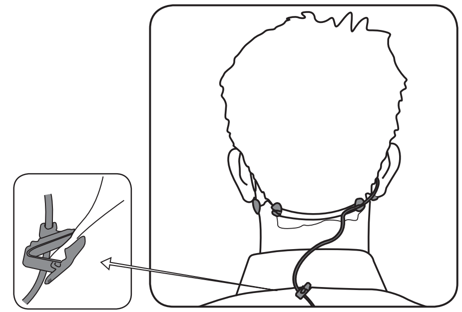
Important: Always use the BETA 54 with the standard protective cap only. Using the microphone with no cap, or with the filtered cap, will degrade sound quality and alter the microphone's polar pattern.



Positioning the Microphone







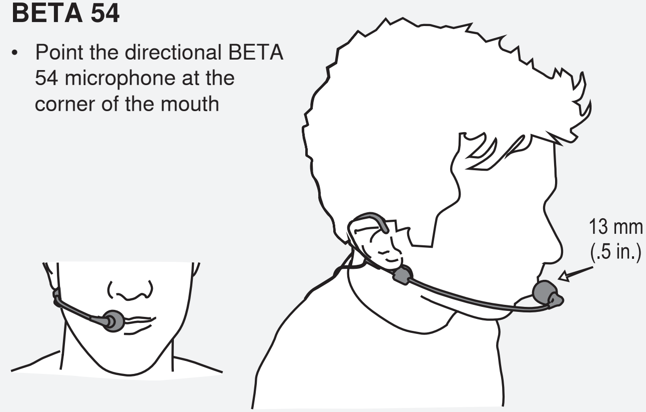
BETA 53

- Position the omnidirectional BETA 53 microphone near the corner of the mouth
- If necessary, roll the boom to avoid contact with skin and facial hair



BETA 54

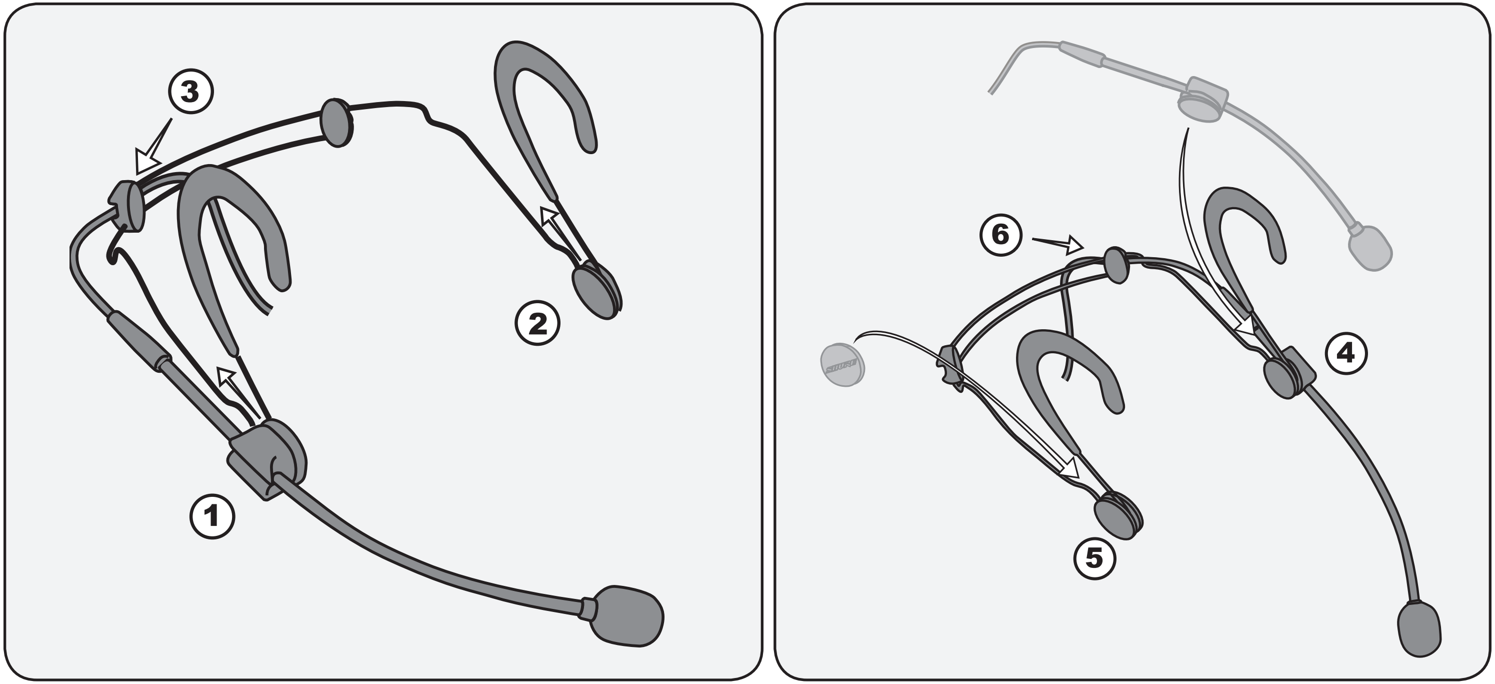
- Point the directional BETA 54 microphone at the corner of the mouth



Wearing the Microphone on Either Side

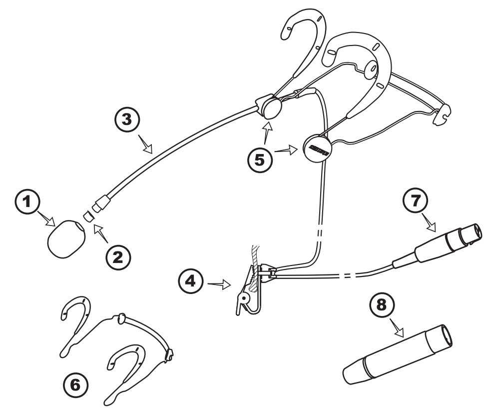
The microphone boom may be reinstalled to position it on the left or right side of the head.

- Carefully detach the boom holder ①, logo pad ②, and microphone cable ③ from the headband.
- Reattach the boom holder to the opposite side of the wire frame ④.
- Reattach the logo pad ⑤ and microphone cable ⑥.



BETA 53 Replacement Parts and Accessories

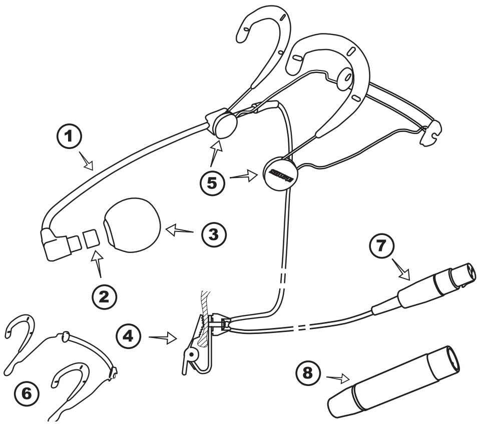
	Component	Black	Tan
①	Foam Windscreen (5 pieces)	RPM304	RPM306
②	Standard Protective Cap (gold mesh) (5 pieces)	RPM208	RPM212
	Filtered Protective Cap* (silver mesh) (5 pieces)	RPM220	RPM214
③	Microphone/Boom Assembly with TA4F Connector (1 piece)	RPM132	RPM134
④	Swiveling Lapel Clip (5 pieces)	RPM510	RPM512
⑤	Boom Holder and Logo Pad (2 each)	RPM570	RPM580
⑥	Headband (1 piece, with boom holder and logo pad)	RPM550	RPM560
⑦	4-Pin Mini Connector (TA4F) (1 piece)	WA331**	
⑧	In-Line Preamp (1 piece)	RPM626**	



*See the frequency response curve on page 74

**Available in black only

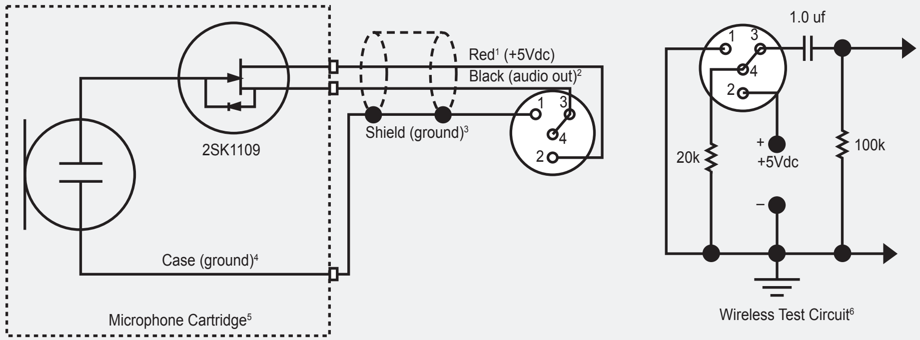
BETA 54 Replacement Parts and Accessories



	Component	Black	Tan
①	Microphone/Boom Assembly with TA4F Connector (1 piece)	RPM646	RPM648
②	Standard Protective Cap (gold mesh) (5 pieces)	RPM208	RPM212
③	Snap-fit Foam Windscreen (4 pieces)	RPM316	RPM318
④	Swiveling Lapel Clip (5 pieces)	RPM510	RPM512
⑤	Boom Holder and Logo Pad (2 each)	RPM570	RPM580
⑥	Headband (1 piece, with boom holder and logo pad)	RPM550	RPM560
⑦	4-Pin Mini Connector (TA4F) (1 piece)	WA331*	
⑧	In-Line Preamp (1 piece)	RPM626*	

*Available in black only

Wiring Diagram



1. Rouge
2. Noir (sortie audio)
3. Blindage (masse)
4. Corps (masse)
5. Capsule de microphone
6. Circuit d'essai sans fil

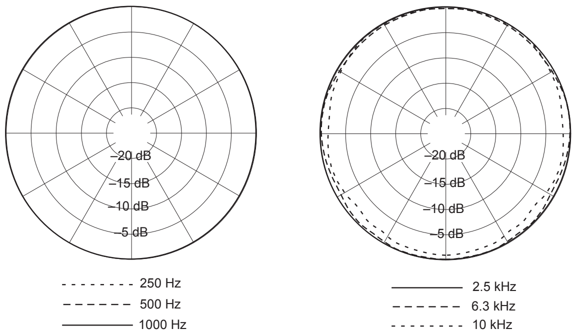
1. Rot
2. Schwarz (Audioausgang)
3. Abschirmung (Masse)
4. Gehäuse (Masse)
5. Mikrofonkapsel
6. Prüfkreis des Drahtlossystems

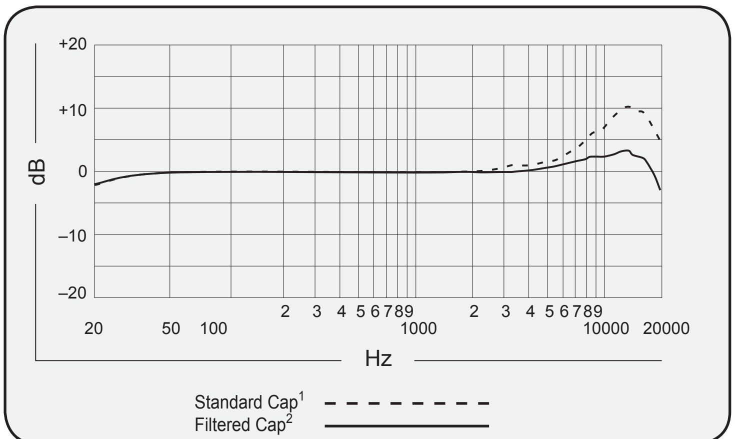
1. Rojo
2. Negro (salida de audio)
3. Blindaje (tierra)
4. Chasis (tierra)
5. Cápsula de micrófono
6. Circuito de prueba de sistema inalámbrico

1. Rosso
2. Nero (uscita audio)
3. Schermatura (massa)
4. Involucro (massa)
5. Capsula
6. Circuito per test wireless

1. 赤色
2. 黒色（音声出力）
3. シールド(アース)
4. ケース(アース)
5. マイクロホンカートリッジ
6. ワイヤレス試験回路

BETA 53





1 Capuchon standard
2 Capuchon à filtre

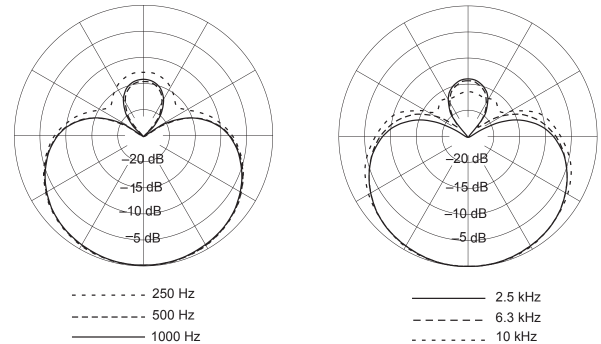
1 Standardmäßige Kappe
2 Gefilterte Kappe

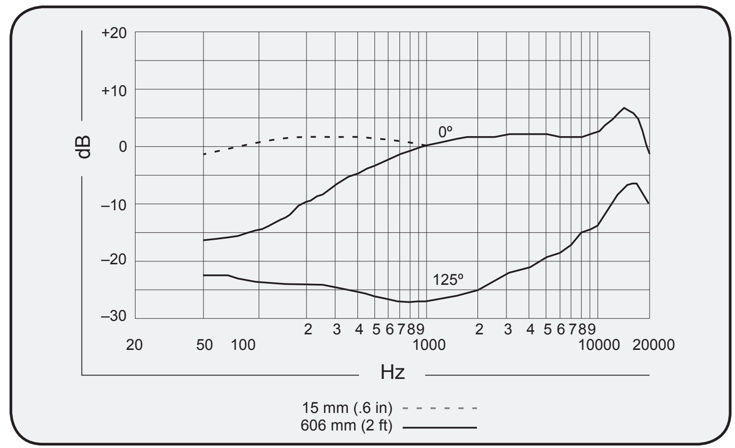
1 Tapa estándar
2 Tapa con filtro

1 Cappuccio standard
2 Cappuccio dotato di filtro

標準キャップ1
フィルタ付きキャップ2

BETA 54





CERTIFICATION

Eligible to bear CE Marking. Conforms to European EMC Directive 2004/108/EC. Meets Harmonized Standards EN55103-1:1996 and EN55103-2:1996, for residential (E1) and light industrial (E2) environments.

The Declaration of Conformity can be obtained from:

Authorized European representative:
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Headquarters Europe, Middle East & Africa
Department: EMEA Approval
Wannenacker Str. 28
D-74078 Heilbronn, Germany
Phone: +49 7131 72 14 0
Fax: +49 7131 72 14 14
Email: EMEAsupport@shure.de

HOMOLOGATION

Autorisé à porter la marque CE. Conforme à la directive européenne CEM 2004/108/CE. Conforme aux normes harmonisées EN55103-1:1996 et EN55103-2:1996 pour les environnements résidentiels (E1) et d’industrie légère (E2).

La déclaration de conformité peut être obtenue de l’adresse suivante:

Représentant agréé européen :
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Siège Europe, Moyen-Orient et Afrique
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Fax: +49 7131 72 14 14
Email: EMEAsupport@shure.de

CERTIFICACIONES

Califica para llevar la marca CE. Cumple con la directiva europea de EMC 2004/108/EC. Satisface las normas armonizadas EN55103-1:1996 y EN55103-2:1996 para entornos de uso residencial (E1) e industrial ligero (E2).

La declaración de conformidad se puede obtener de la siguiente dirección:

Representante autorizado en Europa:
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Casa matriz para Europa, Medio Oriente y Africa
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Email: EMEAsupport@shure.de

ZERTIFIZIERUNG

Zur CE-Kennzeichnung berechtigt. Entspricht der europäischen Richtlinie zur elektromagnetischen Verträglichkeit 2004/108/EG. Entspricht den Anforderungen der harmonisierten Normen EN55103-1:1996 und EN55103-2:1996 für Wohngebiete (E1) und Leichtindustriegebiete (E2).

Die Konformitätserklärung ist über die unten stehende Adresse erhältlich:

Bevollmächtigter Vertreter in Europa:
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Email: EMEAsupport@shure.de

OMOLOGAZIONI

Contrassegnabile con il marchio CE. Conforme alla direttiva europea sulla compatibilità elettromagnetica 2004/108/CE. Conforme alle norme armonizzate EN55103-1:1996 ed EN55103-2:1996 per l’uso in ambienti domestici (E1) e industriali leggeri (E2).

La dichiarazione di conformità può essere ottenuta da:

Rappresentante europeo autorizzato:
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Sede per Europa, Medio Oriente e Africa
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Email: EMEAsupport@shure.de

СЕРТИФИКАЦИЯ

Соответствует требованиям для нанесения маркировки CE. Соответствует требованиям европейской директивы 2004/108/EEC по ЭМС. Соответствует требованиям гармонизированных стандартов EN55103-1:1996 и EN55103-2:1996 для жилых районов (E1) и районов с легкими промышленными условиями (E2).

Заявление о соответствии можно получить по следующему адресу:

Уполномоченный европейский представитель:
Shure Europe GmbH
Headquarters Europe, Middle East & Africa
Department: EMEA Approval
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Телефон: +49 7131 72 14 0
Факс: +49 7131 72 14 14
Эл. почта: EMEAsupport@shure.de

認 証

CEマーキングに適格。欧州EMC指令2004/108/ECに適合。住宅(E1)および軽工業(E2)環境に関し、EN55103-1:1996およびEN55103-2:1996の整合規格に対応。

適合宣言書は以下より入手可能です:

ヨーロッパ認定代理店:
Shure Europe GmbH
ヨーロッパ、中東、アフリカ地区本部：
部門: EMEA承認
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인증

CE 마크를 사용할 자격이 있습니다. European EMC Directive 2004/108/EC를 준수합니다. 가정용 (E1) 및 경공업용 (E2) 통일 규격 (Harmonized Standards) EN55103-1:1996 및 EN55103-2:1996 요건들을 준수합니다.

적합성 선언서를 구하실 수 있는 곳:

공인 유럽 대리점:
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이메일: EMEAsupport@shure.de

认证

允许使用 CE 标志。符合欧盟 EMC 法规 2004/108/EC。符合 Harmonized 标准 EN55103-1：1996 和 EN55103-2：1996 适用于民用 (E1) 和轻工业 (E2) 环境。

可从以下地址获得“符合性声明：

欧洲授权代表：
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Patent Notice: Patent Des. 451,902

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